Tetra Tech Allegations - Enforcement Confidential

Version 4 includes NRC Petition 6-29-2017 main text and all Exhibits and Anomalous samples report 4-2014

Read Me - explanation of rest of the sheets

Key:

Type of fraud

- 10 Fake soil sampling
- 11 Fraudulent sampling Stage 1 collected nearby
- 12 Fraudulent sampling Stage 2 collected from far away
- 20 Destruction of "hot" soil samples and their records
- 21 Bldg 351A
- 22 Fisher & Spear Streets
- 23 Radioactive fencing
- 30 Fraudulent Building Surveys
- 40 Fradulent data reporting
- 50 Offsite disposal and backfill
- 51 Conveyor belt too fast
- 52 RSY pads
- 53 Unqualified personnel
- 60 Portal Monitor
- 70 Radiologically Controlled Areas (RCA's) unsecured or other individual incidents
- 99 Type unspecified

Type of info

- 1 Patterns and practice
- 2 Locations
- 3 Names of persons associated with falsification
- 4 Dates including frequency and sequence

Colors

highlight - need to discuss further

Source

**Public** 

- 11 2017 Jun NRC Petition
- 12 2014 Tetra Tech Internal report anomolous soil samples

Tracki

Tracki									
ng numb	Type of	Type	High	ıli Statisi	t				
er		of info	_		Summary	Details	Citation	Source 2017	7 2014 Tetra Tech Anomalous Inv
					Scans were supposed to be used to pick soil sample locations with				
					highest scan values, but in late 2008 began sampling 5-10 ft away				
					where scans showed low levels. But these sometimes were still	less likely to be			
1	11	1		1	above release criteria and would still need to be further remediated.	found using K-	Main text p. 11-12, Exh	i <b>11</b> :	1
_	11	1		1	Scans were supposed to be used to pick soil sample locations with		Waiii τελί μ. 11-12, Ελί		•
					highest scan values, but in late 2008 began sampling 5-10 ft away				
					where scans showed low levels. But these sometimes were still	less likely to be			
					above release criteria and would still need to be further	found using K-			
1	11	4			remediated.	40 comparisons	Main text p. 11-12, Exh	i <b>11</b> :	1
					Took false samples from far away: 1) sewer trench in front of 500 series bldgs, 2) former theatre building, 3) near Bldg 521 under				
2	12	1			two palm trees	Matched faked	s Main text, pp. 12-13	11	1
_		-			Beginning in 2010 while working near Bldg 707 and later 500	materieu raneu :	text, pp. 12 13		-
					series buildings, took false samples from far away: 1) First sewer				
					trench in front of 500 series bldgs, 2) former theatre building, 3)				
2	12	4			near Bldg 521 under two palm trees	Matched faked	s Main text, pp. 12-13	11	1
					Starting mid-2008 false soil sampling. Smith said trench confirmation soil substitution happened "pretty much every day"				
					over at least the last 1.5 yrs he worked there. Total 800-1,000				
					false samples [he left 9/2012]. "After the Bldg 351A and Parcel A				
					cover ups, fraudulent sampling became a regular occurrence for				
					me and the teams In this early period of 2009-2010, when				
					post-remediation sampling was to be done, more and more Mr.				
3	10	1		1	Rolfe told me and the other HPs to cheat and take false soil samples."		Main toyt n 12 Eyhibit	. 11	1
3	10	4		1	Samples switched at Bldg 517, Bldg 707 Triangle Area in Parcel E,		Main text p. 13, Exhibit	: 11 :	1
					Former 500 series Bldgs in Parcel D, North Pier, Shacks 79 and 80,				
4	11	2		1	Parcel C		Main text, p. 14	11	1
					Fraudulent practices escalated after contract changed from time-				
5	12	4			and-materials to firm fixed-price		Main Text, p. 14	11	1
					Fraudulent trench soil confirmation sampling was associated with				
6	12	3			Anthony Smith, Steve Rolfe, Tina Rolfe, Rick Zahensky, Justin Hubbard,		Main text, pp. 13-14	11	1
O	12	J			Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample		Waiii τελί, ρρ. 15 14		•
					(some of the highest radioactive readings ever seen on the site)				
					and chain of custody record and marked location clean. Replaced				
_					with new samples from areas in the crawl space known to be				
7	21	1			clean.	Bldg previously	ı Main text,pp. 15-16, Ex	11 :	1
					Bldg 351A disappeared sample Anthony Smith, Josh Hooper, Bill Dougherty, Dennis McWade, Chuck Taylor, Steve Rolfe, Daryl				
8	21	3			DeLong, Brian Henderson		Main text,pp. 15-16, Ex	d <b>11</b> :	1
							711 /		
9	21	2			Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample		Main text,pp. 15-16	11	1
_									
9	21	4			Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample		Main text,pp. 15-16	11	1
					2009 Fisher Ave & Spear 2-3 pCi/g Cs-137 6 inches deep Smith was told to get rid of sample and never filled out chain-of-custody	•			
10	22	1			form		Main text, pp. 16-17	11	1
							.,,		
					July or August 2009 Fisher Ave & Spear 2-3 pCi/g Cs-137 6 inches				
10	22	4			deep Smith was told to get rid of sample and chain of custody		Main text, pp. 16-17	11	1
11	22	2			Location Fisher & Spear Ave. behind wall uphill 6 inches deep		Main text, pp. 16-17	11	1
11	22	2			Disappearing sample Fischer & Spear Ave. Anthony Smith, Jeff		Main τεχτ, ρρ. 10-17	11 .	1
12	22	3			Rolfe, Ray Roberson, Carey Bell		Main text, pp. 16-17	11	1
					2009 fencing found to be contaminated but staff told to hide				
13	23	1			result and delete data in "Access" computer system		Main text, p.17-19	11	1
4.4	22	2			Radioactive fencing Susan Andrews, Dennis McWade, Phil Poole,		Main Land 2740	44	
14	23	3			Bob Evans, Charles Taylor, Rhonda Richardson,		Main text, p.17-19	11	1
					summer 2010 - early 2011 Class 2 and Class 3 scans in buildings				
					and smears "just set your meter down on the ground and let it				
					count. " "On numerous occasions occasions my crew and I were				
					instructed by Steve Rolfe to 'just get numbers,' which we would				
					do by simply holding the 2360 dedector in the same spot, or				
15	30	1		1	setting it down in one spot for up to 30 minutes while the readings were recorded."		Main text p. 19-20, Exh	ni <b>11</b> :	1
13	30	-		-	reduings were recorded.		1410111 text p. 13 20, Ext		-
					summer 2010 - early 2011 Fraudulent building scans for nearly all				
					buildings in Hunters Point. Specifically Building, 707, buildings and				
					building footprints throughout the 500 series and buildings 351,				
16	20	2		1	351A, 411,401,414,406, 144,146,130, 103, 113, 521, 103, 114, 145,		Main toyt n 10 20 Fy	. 11	1
16	30	2		1	130, 439, 366, 813, and possibly building 203 Building Scans Anthony Smith, Steve Rolfe, Jeff Rolfe, Rick		Main text p. 19-20, Ex	h <b>11</b> :	1
17	30	3			Zahensky, Bill Dougherty, Justin Hubbard, Tina Robertson		Main text p. 19-20, , Ex	l 11 :	1
					When downloading data from Ludlum 2350, Tetra Tech staff				
					changed numbers. Also for Ludlum 2360 (alpha and beta).				
				1	Zahensky took a computer home to change scan results overnight	•	NASis to 1 CC	4.4	1
18	40			1	Results were delivered a day late.  Data tampering Tina Rolfe, Ray Roberson, Joe Cunningham, Justin		Main text pp. 21-22	11	1
					Hubbard, Rick Zahensky, Steve Rolfe, Bert Bowers, Neil Berrett,				
19	40	3		1	Phil Smith		Main text pp. 21-22	11	1

				Early to July 2006 Conveyor belt scanning excavated fill ran too			
20	51	1	1	fast and silenced sensor alarms so would not have caught contamination in tens of thousands of CY soil	Main text pp. 23-25	11	1
21	51	2	1	Conveyor belt too fast for Parcel E IR-02 and PCB removal area	Main text pp. 23-25	11	1
22	51	3		Conveyor Belt Bert Bowers, Ulrika Messer, Neil Hart, Joe Levell, Mike Wilson, Gary Wilson, Jane Taylor	Main text pp. 23-25	11	1
23	52	1	1	Orders were given to take samples "from anywhere" instead of from the proper Radiation Screening Yard (RSY) samples Unqualified workers who did not understand health risks of	Main text p. 28	11	1
24	53	1	1	exposures could have been exposed, swung detectors too high and too fast	Main text pp. 27-28 and	11	1
25	52	3		Radiation Screening Yards Jane Taylor, Arthur Jahr, Samantha Taylor, Kari Guidry, Thorpe Miller, Bryan White Parcel UC-3 Work Area #16, units 190 and 197 had 1,023 CY soil	Main text, pp. 26-28, Ex	11	1
26	52	2		removed. 10 CY of soil were remediated as containing radioactive and chemical contamination.	Main text, p. 29, and Ex	11	1
27	52	1	1	RSY samples collected in locations that intentionally avoided the high radioactivity locations and were allowed to be reused as backfill.	Main text, p. 29	11	1
28	60	1	1	2011 trucks with soil from RSY pads frequently failing portal monitor screening. In September, 2011, the sensitivity was reduced by 2/3 and discontinued hand-scanning.  After contract changes nore frequent discrepences, going from	All 37 truckloads Main text, pp. 29-31, Ex	11	1
29	99	4	1	one incident per 6 weeks to every 2 weeks to more than once a week.	Exhibit A (Bowers), p. 7	11	1
30	51	3		Conveyor belt Bill van Vo, Jack Schelebo, Emitt Brown, Dan Spicuzza July 2006 discovery of false conveyor belt scanning. August 2006	Exhibit A (Bowers), p. 1	11	1
31	51	4		Neil Hart oversaw response to disclosure. Gary Wilson disciplined Aug 2006. 2009 Jane Taylor assigned to oversee all RSY activities, Thorpe	Exhibit A (Bowers), pp.	11	1
32 33	52 60	4 4		Miller Trucks failing portal monitor 2010 - 2011	Exhibit A (Bowers), p. 19 Exhibit A (Bowers), pp.	11 11	1 1
34	60	1	1	Less expensive for Tetra Tech to have the soil falsely cleared for use as backfill than to have the soil repeatedly subjected to remediation of rad contam and time and cost of separating non emplacted soil from what needed to be shipped to LLRW landfills.	Exhibit A (Bowers), p. 2	11	1
35	52	1	1	Backfill material had been cleared by Jane Taylor and Thorpe Miller, but a Shaw contractor discovered a radiological object (button) in it with millirem/hour levels so high they were inappropriate for the Ludlum detector used	Exhibit A (Bowers), p. 2 <sup>,</sup>	11	1
36	60	1	1	April 2009, Adam Berry discovered Dennis McWade allowed truck to exit the base even though the Portal Monitor had alarmed. McWade told staff to stop surveying the truck.	Exhibit A (Bowers), pp.	11	1
36	60	4		April 2009, Adam Berry discovered Dennis McWade allowed truck to exit the base even though the Portal Monitor had alarmed.  McWade told staff to stop surveying the truck.	Exhibit A (Bowers), pp.	11	1
37	60	3		Portal Monitor failing - Adam Berry, Dennis McWade, Bert Bowers	Exhibit A (Bowers), pp.	11	1
3,	00	J		Neil Berrett and Phil Smith (lab) told Bert Bowers that project upper management had asked them to "write away" laboratory	Eximate A (Bowers), pp.		-
38	40	1	1	analysis by changing the results.  Radiological Control Areas (RCA's) not controlled per requirements - patterns & practices employees doing work in areas w/rad contamination without notifying Rad Safety Officer, locks not secured, boundaries repositioned, drinking fountains	Exhibit A (Bower), pp. 2	11	1
39	70	1		inside RCAs		11	1
40	70	2	1	Locations - RCA's not controlled - specific dates and location	Building 217 not Exhibit A (Bower), pp. 3	11	1
41 42	70 40	4 1		Dates - RCA's not controlled - specific dates and location Chain of custody forms claimed soil samples were taken every 5 minutes, even though that is impossible.	Building 217 not Exhibit A (Bower), pp. 3  Exhibit A (Bowers) pp. 3	11 11	1
42	40	3		Tina Rolfe cycled through names, e.g. Rick Zahensky, Jeff Rolfe, Anthony Smith, Justin Hubbard	Exhibit B (Smith) p. 10-1	11	1
43	70	4		Smith said mid-2008 began false soil sampling, incomplete building surveys, falsification of chain-of-custody forms. Prior to 2008 NEW was holder of NRC rad license. Tetra tech became the NRC license holder about that time that improper rad practices became a regular event	and as a result T Exhibit B (Smith) p. 2	11	1
				"Due to the amount of time required to perform a proper building survey, the practice at Hunters Point was to scan the high			
44	30	1	1	probability areas and fake the rest. Although we mosstly performed Class 1 surveys the Class 2 and 3 surveys were falsified 2010 saw Tina Polfo on the computer manually changing data.		11	1
45	40	4		2010 saw Tina Rolfe on the computer manually changing data uploaded from previous building scans	Exhibit B (Smith) p. 12	11	1
45	40	2		Smith stated he was working in the Bldg 500 series, but the faked Chain-of-custody form showed he took samples near Bldg 707.	Exhibit B (Smith) p. 11	11	1

46	30	1	1	2010 saw Tina Rolfe on the computer manually changing data uploaded from previous building scans	Exhibit B (Smith) p. 12	11	1
40	30	-	-	Early spring of 2006 Thousand plus cubic yards of soil still remain	Exhibit B (Shiftin) p. 12		-
				in piles that had been improperly cleared by the conveyor belt			
				system. Smith assigned to help scan the soil that remained. They scanned soil 2-3 ft thickness so sensor ineffective for rad contam			
				below 6 inches deep. Then the soil that cleared this screening set			
47	60	1	1	off portal monitor	Exhibit B (Smith) p. 14 a	11	1
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				in piles that had been improperly cleared by the conveyor belt system. Smith assigned to help scan the soil that remained. They			
				scanned soil 2-3 ft thickness so sensor ineffective for rad contam			
				below 6 inches deep. Then the soil that cleared this screening set			
47	60	4		off portal monitor	Exhibit B (Smith) p. 14 a	11	1
				2005 Susan Andrews stated Justin Hubbard complained she was			
48	52	4	1	performing surveys too carefully and slowly and moved her to the portal monitor	Exhibit C (Andrews) pp.	11	1
	0_	·	_		, pp.		_
				2005 Susan Andrews stated Justin Hubbard complained she was			
49	60	4	1	failing too many trucks going through the portal monitor	Exhibit C (Andrews) p. 3	11	1
50	60	4		Prior to Sept 2011 every failed soil load was required to be sent back to the RSY pads to be reworked.	Exhibit C (Andrews) p. 3	11	1
30	00	7		back to the har paus to be reworked.	Exhibit C (Midrews) p. c		-
				Jane Taylor misdirected laborers as to the correct location from			
				which to collect soil samples. Entire crew tasks were not being			
51	52	1	1	coordinated properly. Samples were taken from an incorrect grid and were recorded and labeled errneously.	Exhibit C (Andrews) p. 7	11	1
31	32	1	Τ.	Jane Taylor scanned the soil on the RSY pad at a much faster	Exhibit C (Andrews) p. 7	11	1
52	52	1	1	speed than is required to get proper results.	Exhibit C (Andrews) p. 7	11	1
<b>5</b> 2	20	4		Tina Robertson was unqualified and got agitated about the "hot"	F 1 11 11 C (A - 1 ) - C	44	4
53	30	1		readings because she was interpreting the readings incorrectly. 2010 -2011 People left RCA without being frisked 10 times. In	Exhibit C (Andrews) p. 8	11	1
				10/2011, Luis and Alfredo (last names unknown) were pounding			
				dirt for radioactive sample testing using a mortar and pestle with			
54	70	1		bare hands and not wearing face masks	Exhibit C (Andrews) p. 1	11	1
				Mouho Dida 371 area pout to elevator shoft was separated into 2			
				Maybe Bldg 271 area next to elevator shaft was separated into 2 sections. One was fenced off. Jars of every sample that had been			
				tested by the lab since the beginning of work at HPNS were			
				stacked. Jars in the lower stacks had gotten crushed by jars on			
				the higher stacks and were leaking potentially radioactive dirt			
55	70	2	1	onto the floor of the area. Laborers were stepping into the radioactive dirt, which could spread into clean areas.	Exhibit C (Andrews) p. 1	11	1
33	70	2	-	Jane Taylor in charge of RSY pads late 2010 or early 2011. After	Exhibit C (Andrews) p. 1	11	_
				that frequency of failing the Portal Monitor screening increased			
56	52	4		dramatically.	Exhibit C (Andrews) p. 1	11	1
				Andrews suspected the soil used as backfill was done more poorly than the soil going offsite since there was no check to be sure it			
57	52	1	1	was being done right	Exhibit C (Andrews) p. 1	11	1
				Andrews stated that after switching to fixed price contracts, Tetra			
Ε0	F2	1	1	Tech made more money the less they had to do with the soi. It	Fulsikit C (Andrews) = 1	11	1
58	52	1	1	also made the Navy happy that the process was moving along.	Exhibit C (Andrews) p. 1	11	1
				9/2011 Tetra Tech changed the Portal Monitor sensitivity from 3			
				sigma plus mean background to 8 sigma plus mean background.			
	60		_	The claim was that was to address aluminum trucks with naturally	513306	4.4	
59	60	1	1	occurring radiation. But most trucks were steel, not aluminum.	Exhibit C (Andrews) p. 1	11	1
				9/2011 Tetra Tech changed the Portal Monitor sensitivity from 3			
				sigma plus mean background to 8 sigma plus mean background.			
				The claim was that was to address aluminum trucks with naturally			
59	60	4		occurring radiation. But most trucks were steel, not aluminum.  Before 9/2011, when portal monitor failed, scanning sides of the	Exhibit C (Andrews) p. 1	11	1
				truck seldom showed hits, only found hits by standing on			
				scaffolding and scanning by hand over the top, After 9/2011,			
60	60	1	1	Tetra Tech discontinued scanning by hand.	Exhibit C (Andrews) p. 1	11	1
64	60		_	Tetra Tech hosed down trucks before they entered portal	513306	4.4	
61	60	1	1	monitor. Water could shield radiation  July 2011 Jane Taylor instructed Curtis (driver of EM truck) to	Exhibit C (Andrews) p. 1	11	1
				remove ropes demarcating an RCA-RMA and ignore requirement			
				for frisking in an area where radioactive containers were stored			
62	70	2		above ground in an RCA-RMA	Exhibit C (Andrews) p. 1	11	1
				August 2011 covering Work Area 33. Hank construction worker removed rad posting from RCA in areas known to have high levels			
63	70	2		of radioactive contamination.	Exhibit C (Andrews) p. 1	11	1
- =	-	_		Andrews said Tina Robertson said 7/22/2011 Chain of custody	(		=
64	40	4		forms were being forged	Exhibit C (Andrews) p. 1	11	1
				A radioactive source was contured at BSV 4 . 3 Untrained Stald			
				A radioactive source was captured at RSY 4. 2 Untrained field workers delivered it to a secure lockup area. Taylor tried to			
65	70	1		handle this in an unsafe manner contrary to official procedures	Exhibit C (Andrews) p. 1	11	1
_	_			RSY number 2 Jane Taylor and the laborers she trained couldn't			
66	52	2	1	use radiation detection scanners properly	Exhibit D (Jackson), p. 3	11	1

				RSY-2 laborers missing the required number of samples. Taylor				
				told them to go get a sample "from anywhere." They went behind				
				the Conex to another pad and got an unrelated "false" sample.				
67	52	2	1	Allen and Reggie	Exhibit D (Jackson), p. 4	11	1	
				RSY-2 laborers missing the required number of samples. Taylor				
				told them to go get a sample "from anywhere." They went behind				
				the Conex to another pad and got an unrelated "false" sample.				
67	52	3		Allen and Reggie	Exhibit D (Jackson), p. 4	11	1	
				Keith Tisdale, laborer said Jane Taylore commonly put dirty soil on				
68	99	1	1	the clean pad or the other way around next RSY-2	Exhibit D (Jackson), p. 4	11	1	
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68	99	2		the clean pad or the other way around next RSY-2	Exhibit D (Jackson), p. 4	11	1	
		_	_	soil surveys for gamma too fast at RSY-2, RSY-3, and RSY-4	- 1 11 11 - 11 1 1 1 1			
69	52	2	1	hundreds of times	Exhibit D (Jackson), p. 5	11	1	
60	F2	4		soil surveys for gamma too fast at RSY-2, RSY-3, and RSY-4	Fulhihit D (Ingleson) in F	11	1	
69	52	4		hundreds of times	Exhibit D (Jackson), p. 5	11	1	
70	10	1		Jahr saw laborers slinging soil around during sampling that created an airborne hazard.	Evhibit E (John) p. 2	11	1	
70	10	1		workers ate and drank fluids within RCA's. Near an intermodal	Exhibit E (Jahr) p. 3	11	1	
				container around RSY2, it was a windy day yet all the laborers				
				were working downwind of the container, potentially exposing				
71	70	1		workers	Exhibit E (Jahr) p. 3	11	1	
, _	70	_		In 2006, when soil samples did not have the required 300 mL	Exhibit E (Jahr) p. 3		_	
				volume, Justin Hubbard asked Jahr to "just go get some dirt" from				
				anywhere nearby. Jahr refused to do that. This behavior was				
72	10	4	1	consistent with his approach as a supervisor	Exhibit E (Jahr) p. 4	11	1	
				In 2010, in RSY-2 Barrels containing rad contamination were	` / '			
				opened in a way that could have spread contents into non-rad				
				impacted areas. They later were removed, and Jahr suspected by				
73	70	2	1	improper means.	Exhibit E (Jahr) p. 5	11	1	
				Fencing surrounding an RCA was removed to allow construction				
74	70	1		crew access while avoiding the control point	Exhibit E (Jahr) p. 5	11	1	
				8/2010, Jane Taylor and her laborers were swinging the Ludlum				
				sensors at a heigh and speed that were both far excessive so the				
75	52	1	1	sensors were largely ineffective	Exhibit E (Jahr) p. 5	11	1	
				Conveyor belt Gary Wilson, Jane Taylor, Robert McClean, Madena				
				McClean, Demarius Bradley, Curtis Hales, and Damian (unknown				
76	51	3		last name)	Exhibit N (McClean) p.2	11	1	
				2005 from Board 5 BCB list mate. After him short and brooks half				
				2005, from Parcel E PCB Hot spots - After lunches and breaks, belt speed running at excessive speed, reducing the frequency of				
				alarms greatly (vs. hourly before at the proper speed). After some				
				weeks, the speed became locked at a speed well above standards.				
				McClean was laid off late 2005. In early 2006, he returned and				
				discovered the Navy had discovered the excessive speed. The				
77	51	1		conveyor belt system was shut down.	Exhibit N (McClean) p. 3	11	1	
,,	31	_		Sometimes they may not have rinsed off equipment all of the way	Exhibit iv (ivideledity p. c		_	
78	10	1		in between sample collection	Attachment 9, Interviev	12		1
. 3		_						-
				RCTs appear to have general knowledge that green serpentinite				
				usually provides "low" gamma spec resultts, and "brownish dirt"				
79	10	1		provides elevated gamma spectroscopy readings.	Attachment 9, Interviev	12		1
				Original potentially "hot" samples would be dumped into open				
80	10	1		trenches that had been dug for sewer removal	Main text, p. 14	11	1	
							11	12

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			Highli Sta			<b>O</b> 11		
er	Fraud	ot into	ghts icia	ns Summary  Starting mid-2008 false soil sampling. Smith said trench	Details	Citation	Source 201	17-7 2014 Tetra Tech Anomalous Inv
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				false samples [he left 9/2012]. "After the Bldg 351A and Parcel A				
				cover ups, fraudulent sampling became a regular occurrence for				
				me and the teams In this early period of 2009-2010, when post-remediation sampling was to be done, more and more Mr.				
				Rolfe told me and the other HPs to cheat and take false soil				
3	10	4	1	samples."		Main text p. 13, Exhibit	11	1
				In 2006, when soil samples did not have the required 300 mL				
				volume, Justin Hubbard asked Jahr to "just go get some dirt" from anywhere nearby. Jahr refused to do that. This behavior was				
72	10	4	1	consistent with his approach as a supervisor		Exhibit E (Jahr) p. 4	11	1
				Scans were supposed to be used to pick soil sample locations with		. ,,		
				highest scan values, but in late 2008 began sampling 5-10 ft away				
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1	11	1	1	remediated.	_	Main text p. 11-12, Exh	ni 11	1
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				summer 2010 - early 2011 Class 2 and Class 3 scans in buildings				
				and smears "just set your meter down on the ground and let it				
				count. " "On numerous occasions occasions my crew and I were				
				instructed by Steve Rolfe to 'just get numbers,' which we would do by simply holding the 2360 dedector in the same spot, or				
				setting it down in one spot for up to 30 minutes while the				
15	30	1	1	readings were recorded."		Main text p. 19-20, Exh	ni 11	1
				summer 2010 - early 2011 Fraudulent building scans for nearly all				
				buildings in Hunters Point. Specifically Building, 707, buildings and				
				building footprints throughout the 500 series and buildings 351,				
16	30	2	1	351A, 411,401,414,406, 144,146,130, 103, 113, 521, 103, 114, 145, 130, 439, 366, 813, and possibly building 203		Main text p. 19-20, Ex	h <b>11</b>	1
10	30	۷	1	2010 saw Tina Rolfe on the computer manually changing data		Wall text p. 19-20, Ex	11	1
46	30	1	1	uploaded from previous building scans		Exhibit B (Smith) p. 12	11	1
				"Due to the amount of time required to perform a proper building				
				survey, the practice at Hunters Point was to scan the high				
				probability areas and fake the rest. Although we mosstly				
44	30	1	1	performed Class 1 surveys the Class 2 and 3 surveys were falsified			11	1
				When downloading data from Ludlum 2350, Tetra Tech staff changed numbers. Also for Ludlum 2360 (alpha and beta).				
				Zahensky took a computer home to change scan results overnight				
18	40		1	Results were delivered a day late.		Main text pp. 21-22	11	1
				Data tampering Tina Rolfe, Ray Roberson, Joe Cunningham, Justin Hubbard, Rick Zahensky, Steve Rolfe, Bert Bowers, Neil Berrett,				
19	40	3	1	Phil Smith		Main text pp. 21-22	11	1
				Neil Berrett and Phil Smith (lab) told Bert Bowers that project				
38	40	1	1	upper management had asked them to "write away" laboratory analysis by changing the results.		Exhibit A (Bower), pp. 2	2 11	1
				Early to July 2006 Conveyor belt scanning excavated fill ran too		, , , , , , , , , , , , , , , , , , , ,		
20	Γ4	4	4	fast and silenced sensor alarms so would not have caught		Main tout up 22 25	4.4	4
20	51	1	1	contamination in tens of thousands of CY soil		Main text pp. 23-25	11	1
21	51	2	1	Conveyor belt too fast for Parcel E IR-02 and PCB removal area		Main text pp. 23-25	11	1
				Orders were given to take samples "from anywhere" instead of				
23	52	1	1	from the proper Radiation Screening Yard (RSY) samples		Main text p. 28	11	1
				RSY samples collected in locations that intentionally avoided the				
27				high radioactivity locations and were allowed to be reused as			4.4	
27	52	1	1	backfill.		Main text, p. 29	11	1
				Backfill material had been cleared by Jane Taylor and Thorpe				
				Miller, but a Shaw contractor discovered a radiological object				
35	52	1	1	(button) in it with millirem/hour levels so high they were inappropriate for the Ludlum detector used		Exhibit A (Bowers), p. 2	· 11	1
33	32	-	_	2005 Susan Andrews stated Justin Hubbard complained she was		2.4.11.21.6.7. (2.5.11.6.13), p. 2		-
40				performing surveys too carefully and slowly and moved her to the		511111070	4.4	
48	52	4	1	portal monitor		Exhibit C (Andrews) pp	. 11	1
				Jane Taylor misdirected laborers as to the correct location from				
				which to collect soil samples. Entire crew tasks were not being				
51	52	1	1	coordinated properly. Samples were taken from an incorrect grid and were recorded and labeled errneously.		Exhibit C (Andrews) p.	7 11	1
31			<u>*</u>	Jane Taylor scanned the soil on the RSY pad at a much faster				
52	52	1	1	speed than is required to get proper results.		Exhibit C (Andrews) p.	7 11	1
				Andrews suspected the soil used as backfill was done more poorly than the soil going offsite since there was no check to be sure it				
57	52	1	1	was being done right		Exhibit C (Andrews) p.	1 11	1

				Andrews stated that often suitables to five during a suitable Tates			
				Andrews stated that after switching to fixed price contracts, Tetra Tech made more money the less they had to do with the soi. It			
58	52	1	1	also made the Navy happy that the process was moving along.	Exhibit C (Andrews) p. 1	11	1
66	<b>5</b> 2	2	4	RSY number 2 Jane Taylor and the laborers she trained couldn't	51335(1-1)	4.4	4
66	52	2	1	use radiation detection scanners properly  RSY-2 laborers missing the required number of samples. Taylor	Exhibit D (Jackson), p. 3	11	1
				told them to go get a sample "from anywhere." They went behind			
				the Conex to another pad and got an unrelated "false" sample.	_ , , , , , , , , , , , , , , , , , , ,		
67	52	2	1	Allen and Reggie soil surveys for gamma too fast at RSY-2, RSY-3, and RSY-4	Exhibit D (Jackson), p. 4	11	1
69	52	2	1	hundreds of times	Exhibit D (Jackson), p. 5	11	1
				8/2010, Jane Taylor and her laborers were swinging the Ludlum			
75	52	1	1	sensors at a heigh and speed that were both far excessive so the sensors were largely ineffective	Exhibit E (Jahr) p. 5	11	1
75	32	1	1	Unqualified workers who did not understand health risks of	Exhibit E (Jahr) p. 3	11	1
				exposures could have been exposed, swung detectors too high			
24	53	1	1	and too fast	Main text pp. 27-28 and	11	1
				2011 trucks with soil from RSY pads frequently failing portal			
				monitor screening. In September, 2011, the sensitivity was			
28	60	1	1	reduced by 2/3 and discontinued hand-scanning.	All 37 truckloads Main text, pp. 29-31, Ex	11	1
				Less expensive for Tetra Tech to have the soil falsely cleared for			
				use as backfill than to have the soil repeatedly subjected to			
34	60	1	1	remediation of rad contam and time and cost of separating non emplacted soil from what needed to be shipped to LLRW landfills.	Exhibit A (Bowers), p. 2	11	1
54	60	1	1	emplacted soil from what needed to be shipped to LEKW landniis.	Exhibit A (bowers), p. 2.	11	1
				April 2009, Adam Berry discovered Dennis McWade allowed truck			
36	60	1	1	to exit the base even though the Portal Monitor had alarmed.  McWade told staff to stop surveying the truck.	Exhibit A (Bowers), pp.	11	1
30	00	1	1	Early spring of 2006 Thousand plus cubic yards of soil still remain	Exhibit A (Bowers), pp.	11	1
				in piles that had been improperly cleared by the conveyor belt			
				system. Smith assigned to help scan the soil that remained. They			
				scanned soil 2-3 ft thickness so sensor ineffective for rad contambelow 6 inches deep. Then the soil that cleared this screening set			
47	60	1	1	off portal monitor	Exhibit B (Smith) p. 14 a	11	1
				2005 Cores Andrews stated history likely and accordance of the core			
49	60	4	1	2005 Susan Andrews stated Justin Hubbard complained she was failing too many trucks going through the portal monitor	Exhibit C (Andrews) p. 3	11	1
		·	_	taning see many states gaing amongs are personner.			_
				9/2011 Tetra Tech changed the Portal Monitor sensitivity from 3			
				sigma plus mean background to 8 sigma plus mean background.  The claim was that was to address aluminum trucks with naturally			
59	60	1	1	occurring radiation. But most trucks were steel, not aluminum.	Exhibit C (Andrews) p. 1	11	1
				Before 9/2011, when portal monitor failed, scanning sides of the			
				truck seldom showed hits, only found hits by standing on scaffolding and scanning by hand over the top, After 9/2011,			
60	60	1	1	Tetra Tech discontinued scanning by hand.	Exhibit C (Andrews) p. 1	11	1
				Tetra Tech hosed down trucks before they entered portal	` ''		
61	60	1	1	monitor. Water could shield radiation	Exhibit C (Andrews) p. 1	11	1
40	70	2	1	Locations - RCA's not controlled - specific dates and location	Building 217 not Exhibit A (Bower), pp. 3	11	1
				Maybe Bldg 271 area next to elevator shaft was separated into 2			
				sections. One was fenced off. Jars of every sample that had been			
				tested by the lab since the beginning of work at HPNS were			
				stacked. Jars in the lower stacks had gotten crushed by jars on the higher stacks and were leaking potentially radioactive dirt			
				onto the floor of the area. Laborers were stepping into the			
55	70	2	1	radioactive dirt, which could spread into clean areas.	Exhibit C (Andrews) p. 1	11	1
				In 2010, in RSY-2 Barrels containing rad contamination were opened in a way that could have spread contents into non-rad			
				impacted areas. They later were removed, and Jahr suspected by			
73	70	2	1	improper means.	Exhibit E (Jahr) p. 5	11	1
				After contract changes nore frequent discrepences, going from			
29	99	4	1	one incident per 6 weeks to every 2 weeks to more than once a week.	Exhibit A (Bowers), p. 7	11	1
	33	•	-	Keith Tisdale, laborer said Jane Taylore commonly put dirty soil on	· · · · · · · · · · · · · · · · · · ·		-
68	99	1	1	the clean pad or the other way around next RSY-2	Exhibit D (Jackson), p. 4	11	1

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				li Statist		Dataila	Citatian	C 20/	17 - 2014 Tahua Tarib Arangalawa Iny
er	Fraud	of info	gnts	icians	Summary  Jahr saw laborers slinging soil around during sampling that	Details	Citation	Source 20.	17-7 2014 Tetra Tech Anomalous Inv
70	10	:	1		created an airborne hazard.  Sometimes they may not have rinsed off equipment all of the way		Exhibit E (Jahr) p. 3	11	1
78	10		1		in between sample collection		Attachment 9, Interview	12	1
					RCTs appear to have general knowledge that green serpentinite				
					usually provides "low" gamma spec resultts, and "brownish dirt"				
79	10		1		provides elevated gamma spectroscopy readings.		Attachment 9, Interview	12	1
80	10		1		Original potentially "hot" samples would be dumped into open trenches that had been dug for sewer removal		Main text, p. 14	11	1
80	10	,	L		Scans were supposed to be used to pick soil sample locations with		iviaiii text, p. 14	11	1
					highest scan values, but in late 2008 began sampling 5-10 ft away				
					where scans showed low levels. But these sometimes were still	less likely to be			
1	11		1	1	above release criteria and would still need to be further remediated.	found using K-	Main text p. 11-12, Exh	: 11	1
1	11		L	1	Took false samples from far away: 1) sewer trench in front of 500	40 Compansons	ividili text p. 11-12, exil	11	1
					series bldgs, 2) former theatre building, 3) near Bldg 521 under				
2	12	:	1		two palm trees	Matched faked s	Main text, pp. 12-13	11	1
					Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample				
					(some of the highest radioactive readings ever seen on the site) and chain of custody record and marked location clean. Replaced				
					with new samples from areas in the crawl space known to be				
7	21	:	1		clean.		Main text,pp. 15-16, Ex	11	1
					2009 Fisher Ave & Spear 2-3 pCi/g Cs-137 6 inches deep Smith was				
10	22		1		told to get rid of sample and never filled out chain-of-custody form		Main text, pp. 16-17	11	1
			_		2009 fencing found to be contaminated but staff told to hide				_
13	23	:	1		result and delete data in "Access" computer system		Main text, p.17-19	11	1
					average 2010 and 2011 Class 2 and Class 2 argue in huildings				
					summer 2010 - early 2011 Class 2 and Class 3 scans in buildings and smears "just set your meter down on the ground and let it				
					count. " "On numerous occasions occasions my crew and I were				
					instructed by Steve Rolfe to 'just get numbers,' which we would				
					do by simply holding the 2360 dedector in the same spot, or				
15	30		1	1	setting it down in one spot for up to 30 minutes while the readings were recorded."		Main text p. 19-20, Exh	11	1
13	30		•	-	2010 saw Tina Rolfe on the computer manually changing data		Wall text p. 13 20, Exil		-
46	30		1	1	uploaded from previous building scans		Exhibit B (Smith) p. 12	11	1
					"Due to the amount of time required to perform a proper building survey, the practice at Hunters Point was to scan the high				
					probability areas and fake the rest. Although we mosstly				
44	30		1	1	performed Class 1 surveys the Class 2 and 3 surveys were falsified			11	1
					Tine Dehamban				
53	30		1		Tina Robertson was unqualified and got agitated about the "hot" readings because she was interpreting the readings incorrectly.		Exhibit C (Andrews) p. 8	11	1
33	30	•	_		Neil Berrett and Phil Smith (lab) told Bert Bowers that project		Extracte 6 (Amarews) pro		-
					upper management had asked them to "write away" laboratory				
38	40	:	1	1	analysis by changing the results.		Exhibit A (Bower), pp. 2	11	1
42	40		1		Chain of custody forms claimed soil samples were taken every 5 minutes, even though that is impossible.		Exhibit A (Bowers) pp. 3	11	1
12	10	,	_		Early to July 2006 Conveyor belt scanning excavated fill ran too		Exmoter (Bowers) pp. c		-
					fast and silenced sensor alarms so would not have caught				
20	51	:	1	1	contamination in tens of thousands of CY soil		Main text pp. 23-25	11	1
					2005, from Parcel E PCB Hot spots - After lunches and breaks, belt				
					speed running at excessive speed, reducing the frequency of				
					alarms greatly (vs. hourly before at the proper speed). After some				
					weeks, the speed became locked at a speed well above standards. McClean was laid off late 2005. In early 2006, he returned and				
					discovered the Navy had discovered the excessive speed. The				
77	51	:	1		conveyor belt system was shut down.		Exhibit N (McClean) p. 3	11	1
23	52		1	1	Orders were given to take samples "from anywhere" instead of from the proper Radiation Screening Yard (RSY) samples		Main text p. 28	11	1
23	32		L	1	RSY samples collected in locations that intentionally avoided the		Main text p. 20	11	1
					high radioactivity locations and were allowed to be reused as				
27	52	:	1	1	backfill.		Main text, p. 29	11	1
					Backfill material had been cleared by Jane Taylor and Thorpe				
					Miller, but a Shaw contractor discovered a radiological object				
					(button) in it with millirem/hour levels so high they were				
35	52	:	1	1	inappropriate for the Ludlum detector used		Exhibit A (Bowers), p. 2	11	1
					Jane Taylor misdirected laborers as to the correct location from				
					which to collect soil samples. Entire crew tasks were not being				
					coordinated properly. Samples were taken from an incorrect grid				
51	52		1	1	and were recorded and labeled errneously.		Exhibit C (Andrews) p. 7	11	1
52	52		1	1	Jane Taylor scanned the soil on the RSY pad at a much faster speed than is required to get proper results.		Exhibit C (Andrews) p. 7	11	1
32	32	,			Andrews suspected the soil used as backfill was done more poorly			<b>-</b>	
			_		than the soil going offsite since there was no check to be sure it				
57	52		1	1	was being done right		Exhibit C (Andrews) p. 1	l 11	1

				Andrews stated that after switching to fixed price contracts, Tetra Tech made more money the less they had to do with the soi. It			
58	52	1	1	also made the Navy happy that the process was moving along. 8/2010, Jane Taylor and her laborers were swinging the Ludlum sensors at a heigh and speed that were both far excessive so the	Exhibit C (Andrews) p. 1	11	1
75	52	1	1	sensors were largely ineffective Unqualified workers who did not understand health risks of	Exhibit E (Jahr) p. 5	11	1
24	53	1	1	exposures could have been exposed, swung detectors too high and too fast	Main text pp. 27-28 and	11	1
28	60	1	1	2011 trucks with soil from RSY pads frequently failing portal monitor screening. In September, 2011, the sensitivity was reduced by 2/3 and discontinued hand-scanning.	All 37 truckloads Main text, pp. 29-31, Ex	11	1
34	60	1	1	Less expensive for Tetra Tech to have the soil falsely cleared for use as backfill than to have the soil repeatedly subjected to remediation of rad contam and time and cost of separating non emplacted soil from what needed to be shipped to LLRW landfills.	Exhibit A (Bowers), p. 2	11	1
36	60	1	1	April 2009, Adam Berry discovered Dennis McWade allowed truck to exit the base even though the Portal Monitor had alarmed. McWade told staff to stop surveying the truck. Early spring of 2006 Thousand plus cubic yards of soil still remain in piles that had been improperly cleared by the conveyor belt	Exhibit A (Bowers), pp.	11	1
47	60	1	1	system. Smith assigned to help scan the soil that remained. They scanned soil 2-3 ft thickness so sensor ineffective for rad contam below 6 inches deep. Then the soil that cleared this screening set off portal monitor	Exhibit B (Smith) p. 14 a	11	1
59	60	1	1	9/2011 Tetra Tech changed the Portal Monitor sensitivity from 3 sigma plus mean background to 8 sigma plus mean background. The claim was that was to address aluminum trucks with naturally occurring radiation. But most trucks were steel, not aluminum. Before 9/2011, when portal monitor failed, scanning sides of the truck seldom showed hits, only found hits by standing on	Exhibit C (Andrews) p. 1	11	1
60	60	1	1	scaffolding and scanning by hand over the top, After 9/2011, Tetra Tech discontinued scanning by hand. Tetra Tech hosed down trucks before they entered portal	Exhibit C (Andrews) p. 1	11	1
61	60	1	1	monitor. Water could shield radiation Radiological Control Areas (RCA's) not controlled per	Exhibit C (Andrews) p. 1	11	1
39	70	1		requirements - patterns & practices employees doing work in areas w/rad contamination without notifying Rad Safety Officer, locks not secured, boundaries repositioned, drinking fountains inside RCAs 2010 -2011 People left RCA without being frisked 10 times. In 10/2011, Luis and Alfredo (last names unknown) were pounding		11	1
54	70	1		dirt for radioactive sample testing using a mortar and pestle with bare hands and not wearing face masks	Exhibit C (Andrews) p. 1	11	1
65	70	1		A radioactive source was captured at RSY 4. 2 Untrained field workers delivered it to a secure lockup area. Taylor tried to handle this in an unsafe manner contrary to official procedures workers ate and drank fluids within RCA's. Near an intermodal container around RSY2, it was a windy day yet all the laborers	Exhibit C (Andrews) p. 1	11	1
71	70	1		were working downwind of the container, potentially exposing workers Fencing surrounding an RCA was removed to allow construction	Exhibit E (Jahr) p. 3	11	1
74	70	1		crew access while avoiding the control point  Keith Tisdale, laborer said Jane Taylore commonly put dirty soil on	Exhibit E (Jahr) p. 5	11	1
68	99	1	1	the clean pad or the other way around next RSY-2	Exhibit D (Jackson), p. 4	11	1

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Samples without Billing 170, Though Area in Parcel F.  A 11 2 1 Parcel C. Parcel C.  Parcel C. P		Type o	f Type	High	li Statist	t				
Former 500 series Alligs in Purcel D, North PErc, Shacks 79 and 80,   Main text, p. 14   11   1   1   1   1   1   1   1   1	er	Fraud	of info	ghts	icians	Summary	Details	Citation	Source 20	17-7 2014 Tetra Tech Anomalous Inv
4 11 2 1 Parcel C Main text, p. 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										
Parcel G, Blog 351A in 2008 "got ni of" contaminated soil sample  Location Fisher & Spear Ave. behind wall uphill 6 inches deep  Main text, pp. 16-17 11 1  Location Fisher & Spear Ave. behind wall uphill 6 inches deep  Main text, pp. 16-17 11 1  Summer 2010 cuty 2011 Fruedulent building scams for nearly all building in Only into troughout the 500 seeks and buildings and building fool prints troughout the 500 seeks and buildings 351, 351A, 411,04.14.406, 144,146.130, 109, 113, 521, 103, 114, 145.  Smith stated he was working in the Blog 500 series, but the faked Chain of-Custody form showed he took samples near flag; 707.  Smith stated he was working in the Blog 500 series, but the faked Chain of-Custody form showed he took samples near flag; 707.  Fabilit II (Smith) p. 11 1 1  Conveyor belt too fast for Parcel E II-02 and PCB removal area and chemical contamination.  For production of the Smith Smit										
Location Fisher & Spear Ave. behind wall uphill 6 inches deep  summer 2010 - early 2011 Fraudulent building sans for nearly all buildings in Hunters Point. Specifically Building. 707, buildings as 15, 311, 411,401,414,406, 144,146, 130, 103, 113, 251, 103, 114, 145, 131, 411,401,414,406, 144,146, 132,146, 133, 103, 113, 251, 103, 114, 145, 131, 414,406, 144,406, 144,465, 134,146, 130, 131, 145, 145, 147, 147, 147, 147, 147, 147, 147, 147	4	11	1 2	2	1	Parcel C		Main text, p. 14	11	1
summer 2010 - early 2011 Fraudulent building scans for nearly all buildings in Hunters Point. Specifically Building, 707, buildings and building in Hunters Point. Specifically Building, 707, buildings and building for 505 eres and buildings 351, 3514, 411-401, 144-605, 144-146, 180, 103, 113, 521, 103, 114, 145, 3514, 414-414, 405, 144, 146, 180, 103, 113, 521, 103, 114, 145, 3514, 414-414, 405, 144, 446, 180, 103, 113, 521, 103, 114, 145, 3514, 414-414, 414, 414, 414, 414, 414, 41	9	21	L 2	2		Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample		Main text,pp. 15-16	11	1
summer 2010 - early 2011 Fraudulent building scans for nearly all buildings in Hunters Point. Specifically Building, 707, buildings and building for Storius throughout the Sou Genes and buildings \$8.1, \$31.4, 41.40, 130, 430, 130, 133, 523, 103, 114, 145.  16 30 2 1 130, 439, 366, 813, and possibly buildings 200 series, but the fisked Chain-discustory form showed he took samples near Bidg 707.  21 51 2 1 Conveyor belt too fast for Parcel E IR-02 and PCB removal area Parcel UC 3 Work Area 416, onto 150 and 197 had 1,023 or 3 of 100 and 197 h	11	22	<u>)</u> 2	<u>)</u>		Location Fisher & Spear Ave. behind wall uphill 6 inches deep		Main text, pp. 16-17	11	1
								711		
building footprints throughout the 500 series and buildings 351, 351, 4, 114, 014, 446, 64, 144, 631, 033, 113, 521, 103, 114, 145, 145, 145, 145, 145, 145, 145						· · · · · · · · · · · · · · · · · · ·				
151, 41,41,41,444,466, 144,146,130, 103, 115, 521, 103, 114, 145,   130, 439, 366, 813, and possibly building 203   Main text p. 19-20, Exh   11   1   1   1   1   1   1   1   1										
Main text p. 19-20, Esh   11   1   1   1   1   1   1   1   1										
Smith stated he was working in the Bldg 500 series, but the Taked Chain-of-custody form showed he took samples near Bldg 707. Exhibit B (Smith) p. 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										
45 40 2 Chain-of-custody form showed he took samples near Bidg 707. Exhibit B (Smith) p. 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	16	30	) :	2	1	130, 439, 366, 813, and possibly building 203		Main text p. 19-20, Exl	h 11	1
45 40 2 Chain-of-custody form showed he took samples near Bidg 707. Exhibit B (Smith) p. 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						Smith stated he was working in the Bldg 500 series, but the faked				
21 51 2 1 Conveyor belt too fast for Parcel E IR-02 and PCB removal area Parcel UC-3 Work Area #16, units 190 and 197 had 1,023 CY soll removed. 10 CY of soil were remediated as containing radioactive and chemical contamination.  85	45	40	) 2	2				Exhibit B (Smith) p. 11	11	1
Parcel UC-3 Work Area #16, units 109 and 197 had 1,0/3 CY soll removed. 10 CY of soil were remediated as containing radioactive and chemical contamination.  RSY number 2 Jans Taylor and the laborers she trained couldn't use radiation detection scanners properly RSY-2 laborers missing the required number of samples. Taylor told them to go get a sample "from anywhere." They went behind the Conex to another pad and got an unrelated "false" sample.  66 52 2 1 1 Allen and Reggie Exhibit D (Jackson), p. 4 11 1 Soil Surveys for gamma too fast at RSY-2, RSY-3, and RSY-4 Soil Surveys for gamma too fast at RSY-2, RSY-3, and RSY-4 hundreds of times Exhibit D (Jackson), p. 5 11 1 1 Maybe Bidg 271 area next to elevator shaft was separated into 2 sections. One was fenced off. Jars of every sample that had been tested by the lab since the beginning of work at HPNS were stacked. Jars in the lower stacks had gotten crushed by jars on the higher stacks and were leaking potentially radioactive dirt onto the Hole for of the area. Laborers were stepping into the remove ropes demarcating an RCA-RMA and ignore requirement for frisking in an area where radioactive containers were stored above ground in an RCA-RMA August 2011 covering Work Area 33. Hank construction worker removed rad posting from RCA RMA and gancer requirement for frisking in an area where radioactive containers were stored above ground in an RCA-RMA August 2011 covering Work Area 33. Hank construction worker removed rad posting from RCA in areas known to have high levels of radioactive containination.  In 2010, in RSY-2 Barrels containing and contamination were opened in a way that could have spread contents into non-rad impacted areas. They later were removed, and Jahr suspected by improper means. Keth Tiddele, laborer said Jahr Suspected by improper means.  Exhibit C (Andrews) p. 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								( 7)		
removed. 10 CV of soil were remediated as containing radioactive and chemical contamination.  RSY number 2 Jane 1 Ryfor and the laborers she trained couldn't use radiation detection scanners properly  RSY-2 laborers missing the required number of samples. Taylor told them to go get a sample "from anywhere." They went behind the Conect to another pad and got an unrelated "false" sample.  RSY 2 laborers missing the required number of samples. Taylor told them to go get a sample "from anywhere." They went behind the Conect to another pad and got an unrelated "false" sample.  RSY 2 laborers missing the required number of samples. Taylor told them to go get a sample "from anywhere." They went behind the Conect to another pad and got an unrelated "false" sample.  RSY 2 laborers missing the required number of samples. Taylor told them to go get a sample "from anywhere." They went behind the Conect to another pad and got an unrelated "false" sample.  RSY 2 laborers missing the required number of samples. Taylor told them to go get a sample "from anywhere." They went behind the Conect to another pad and got an unrelated "false" sample.  Exhibit D (Jackson), p. 4 11 1 1  Maybe Bldg 271 area next to elevator shaft was separated into 2 sections. One was fenced off. Jars of every sample that had been tested by the lab since the beginning of work at HPNS were stacked. Jars in the lower stacks had gotten crushed by jars on the higher stacks and were leaking potentially radioactive dirt onto the floor of the area. Laborers were stepping into the radioactive dirt, which could spread into clean areas.  July 2011 Jane Taylor instructed Curtis (driver of EM Truck) to remove ropes demarcating an RCA-RMM and Ignore requirement for frisking in an area where radioactive containings were stored above ground in an RCA-RMM and Ignore requirement for frisking in an area where radioactive containings were stored above ground in an RCA-RMM and Ignore requirement for missing in the remove reposed marcating in RCA-RMM and Ignore requirement f	21	51	1 2	2	1	Conveyor belt too fast for Parcel E IR-02 and PCB removal area		Main text pp. 23-25	11	1
And chemical contamination.  And chemical contamination.  RSY number 2 Jane Taylor and the laborers she trained couldn't use radiation detection scanners properly RSY-2 laborers missing the required number of samples. Taylor told them to go get a sample "from anywhere." They went behind the Conex to another pad and got an unrelated "false" sample.  Allen and Reggle Soil Surveys for gamma too fast at RSY-2, RSY-3, and RSY-4 Exhibit D (Jackson), p. 4 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						Parcel UC-3 Work Area #16, units 190 and 197 had 1,023 CY soil				
RSY number 2 Jane Taylor and the laborers she trained couldn't use radiation detection scanners properly (SY2 laborers missing the required number of samples. Taylor told them to go get a sample "from anywhere." They went behind the Conex to another pad and got an unrelated "false" sample.  Allen and Reggie (Soll Surveys for gamma too fast at RSY-2, RSY-3, and RSY-4)  Begin to the Conex to another pad and got an unrelated "false" sample.  Allen and Reggie (Soll Surveys for gamma too fast at RSY-2, RSY-3, and RSY-4)  Begin to the Conex to another pad and got an unrelated "false" sample.  Allen and Reggie (Soll Surveys for gamma too fast at RSY-2, RSY-3, and RSY-4)  Begin to the Conex to another pad and got an unrelated "false" sample.  Building 217 not Exhibit D (Jackson), p. 4 11 1  Allen Allen and Reggie (Soll Surveys and RSY-4)  Building 217 not Exhibit D (Jackson), p. 5 11 1  Maybe Bidg 271 area next to elevator shaft was separated into 2 sections. One was fenced off. Jars of every sample that had been tested by the lab since the beginning of work at HPNS were stacked. Jars in the lower stacks had gotten crushed by jars on the higher stacks and were leaking potality and include dirty onto the floor of the area. Laborers were stepping into the radioactive dirty onto the floor of the area. Laborers were stepping into the radioactive dirty onto the floor of the area. Laborers were stepping into the radioactive dirty onto the floor of the area and the higher of EM truckly to remove ropes demarcating an RCA-RMA and ignore requirement for frisking in an area where radioactive containers were stored above ground in an RCA-RMA August 2011 covering Work Area 33. Hank construction worker removed and posting from RCA in areas known to have high levels of radioactive contamination.  In 2010, in RSY-2 Barrels containing rad contamination were opened in a way that could have spread contents into non-rad impacted areas. They later were removed, and Jahr suspected by improper means.  Keith Titadle, laborer said Jane Taylore						_				
Sections	26	52	2	<u> </u>				Main text, p. 29, and Ex	x 11	1
RSY-2 laborers missing the required number of samples. Taylor told them to go get a sample 'From anywhere.'' They went behind the Conex to another pad and got an unrelated 'false' sample.  Allen and Reggie soil surveys for gamma too fast at RSY-2, RSY-3, and RSY-4 soil surveys for gamma too fast at RSY-2, RSY-3, and RSY-4 Exhibit D (Jackson), p. 4 11 1  AU 70 2 1 1 Locations - RCA's not controlled - specific dates and location Maybe Bldg 271 area next to elevator shaft was separated into 2 sections. One was fenced off. Jars of every sample that had been tested by the lab since the beginning of work at HPNS were stacked. Jars in the lower stacks had gotten crushed by jars on the higher stacks and were leaking benefitally radioactive dirt onto the floor of the area. Laborers were stepping into the remove ropes demarcating an RCA-RMA and ignore requirement for frisking in an area where radioactive containers were stored above ground in an RCA-RMA and ignore requirement for frisking in an area where radioactive containers were stored above ground in an RCA-RMA and ignore requirement for more application of the propose of radioactive containers were stored above ground in an RCA-RMA and ignore requirement for more application.  Fixed the propose of radioactive containers were stored above ground in an RCA-RMA and ignore requirement for more application.  Fixed the propose of radioactive containing and contamination were opened in a way that could have spread contents into non-rad impacted areas. They later were removed, and Jahr suspected by improper means.  Rethibit C (Andrews) p. 1 11 1										
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69 52 2 1 hundreds of times  Exhibit D (Jackson), p. 5 11 1  Maybe Bldg 271 area next to elevator shaft was separated into 2 sections. One was fenced off. Jars of every sample that had been tested by the lab since the beginning of work at HPNS were stacked. Jars in the lower stacks had gotten crushed by Jars on the higher stacks and were leaking potentially radioactive dirt onto the floor of the area. Laborers were stepping into the radioactive dirt, which could spread into clean areas.  July 2011 Jane Taylor instructed Curtis (driver of EM truck) to remove ropes demarcating an RCA-RMA and ignore requirement for frisking in an area where radioactive containers were stored above ground in an RCA-RMA and with the removed rad posting from RCA in areas known to have high levels of radioactive containmation.  To 2 1 1 1010, In RSY-2 Barrels containing rad contamination were opened in a way that could have spread contents into non-rad impacted areas. They later were removed, and Jahr suspected by improper means. Keith Tisdale, laborer said Jane Taylore commonly put dirty soil on	67	52	<u>.</u>	<u> </u>	1			EXHIBIT D (Jackson), p. 2	+ 11	1
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	68	99	) 1	2				Exhibit D (Jackson), p. 4	4 11	1
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ng									
numb	Type of	Туре	Highli	Statist					
er	Fraud	of info	ghts	icians	Summary	Details	Citation	Source 202	17-7 2014 Tetra Tech Anomalous Inv
					Fraudulent trench soil confirmation sampling was associated with				
					Anthony Smith, Steve Rolfe, Tina Rolfe, Rick Zahensky, Justin				
	6 12	: 3			Hubbard,		Main text, pp. 13-14	11	1
					Bldg 351A disappeared sample Anthony Smith, Josh Hooper, Bill				
					Dougherty, Dennis McWade, Chuck Taylor, Steve Rolfe, Daryl				
	8 21	. 3			DeLong, Brian Henderson		Main text,pp. 15-16, Ex	11	1
					Disappearing sample Fischer & Spear Ave. Anthony Smith, Jeff				
1	2 22	3			Rolfe, Ray Roberson, Carey Bell		Main text, pp. 16-17	11	1
					Radioactive fencing Susan Andrews, Dennis McWade, Phil Poole,				
1	4 23	3			Bob Evans, Charles Taylor, Rhonda Richardson,		Main text, p.17-19	11	1
					Building Scans Anthony Smith, Steve Rolfe, Jeff Rolfe, Rick				
1	7 30	) 3			Zahensky, Bill Dougherty, Justin Hubbard, Tina Robertson		Main text p. 19-20, , Ex	l 11	1
					Data tampering Tina Rolfe, Ray Roberson, Joe Cunningham, Justin				
					Hubbard, Rick Zahensky, Steve Rolfe, Bert Bowers, Neil Berrett,				
1	9 40	) 3	1	L	Phil Smith		Main text pp. 21-22	11	1
					Tina Rolfe cycled through names, e.g. Rick Zahensky, Jeff Rolfe,				
4	2 40	) 3			Anthony Smith, Justin Hubbard		Exhibit B (Smith) p. 10-	1 11	1
					Conveyor Belt Bert Bowers, Ulrika Messer, Neil Hart, Joe Levell,				
2	2 51	. 3			Mike Wilson, Gary Wilson, Jane Taylor		Main text pp. 23-25	11	1
					Conveyor belt Bill van Vo, Jack Schelebo, Emitt Brown, Dan				
3	51	. 3			Spicuzza		Exhibit A (Bowers), p. 1	11	1
					Conveyor belt Gary Wilson, Jane Taylor, Robert McClean, Madena				
					McClean, Demarius Bradley, Curtis Hales, and Damian (unknown				
7	6 51	. 3			last name)		Exhibit N (McClean) p.2	2 11	1
					Radiation Screening Yards Jane Taylor, Arthur Jahr, Samantha				
2	5 52	. 3			Taylor, Kari Guidry, Thorpe Miller, Bryan White		Main text, pp. 26-28, Ex	× 11	1
					RSY-2 laborers missing the required number of samples. Taylor				
					told them to go get a sample "from anywhere." They went behind				
					the Conex to another pad and got an unrelated "false" sample.				
6	7 52	. 3			Allen and Reggie		Exhibit D (Jackson), p. 4	1 11	1
3	7 60	) 3			Portal Monitor failing - Adam Berry, Dennis McWade, Bert Bowers		Exhibit A (Bowers), pp.	11	1

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ng	Type of	:Typo ∐igh	di Ctatici	•				
numb er	Fraud	Type High of info ghts		Summary	Details	Citation	Source 2017	'-7 2014 Tetra Tech Anomalous Inv
CI	TTauu	of fillo gifts	Claris	Starting mid-2008 false soil sampling. Smith said trench	Details	Citation	3001CE 2017	-72014 Tetra Tetri Anomaious mv
				confirmation soil substitution happened "pretty much every day"				
				over at least the last 1.5 yrs he worked there. Total 800-1,000				
				false samples [he left 9/2012]. "After the Bldg 351A and Parcel A				
				cover ups, fraudulent sampling became a regular occurrence for				
				me and the teams In this early period of 2009-2010, when				
				post-remediation sampling was to be done, more and more Mr.				
2	10	. 4	1	Rolfe told me and the other HPs to cheat and take false soil		Maintout n 12 Fubilit	11	1
3	10	4	1	In 2006, when soil samples did not have the required 300 mL		Main text p. 13, Exhibit	11	1
				volume, Justin Hubbard asked Jahr to "just go get some dirt" from				
				anywhere nearby. Jahr refused to do that. This behavior was				
72	10	4	1	consistent with his approach as a supervisor		Exhibit E (Jahr) p. 4	11	1
				Scans were supposed to be used to pick soil sample locations with				
				highest scan values, but in late 2008 began sampling 5-10 ft away				
				where scans showed low levels. But these sometimes were still	less likely to be			
1	11	4		above release criteria and would still need to be further remediated.	found using K-	Main text p. 11-12, Exh	i <b>11</b>	1
1	11	4		Beginning in 2010 while working near Bldg 707 and later 500	40 compansons	Wall text p. 11-12, LXII	11	1
				series buildings, took false samples from far away: 1) First sewer				
				trench in front of 500 series bldgs, 2) former theatre building, 3)				
2	12	4		near Bldg 521 under two palm trees	Matched faked	Main text, pp. 12-13	11	1
				Fraudulent practices escalated after contract changed from time-				
5	12	4		and-materials to firm fixed-price		Main Text, p. 14	11	1
0	24	4		Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample		Main tout on 15 10	11	1
9	21	. 4		Parcer G, Blug 351A in 2008 got nu oi contaminateu son sample		Main text,pp. 15-16	11	1
				July or August 2009 Fisher Ave & Spear 2-3 pCi/g Cs-137 6 inches				
10	22	4		deep Smith was told to get rid of sample and chain of custody		Main text, pp. 16-17	11	1
				2010 saw Tina Rolfe on the computer manually changing data				
45	40	4		uploaded from previous building scans		Exhibit B (Smith) p. 12	11	1
		_		Andrews said Tina Robertson said 7/22/2011 Chain of custody				
64	40	4		forms were being forged		Exhibit C (Andrews) p. :	1 11	1
				July 2006 discovery of false conveyor belt scanning. August 2006 Neil Hart oversaw response to disclosure. Gary Wilson disciplined				
31	51	4		Aug 2006.		Exhibit A (Bowers), pp.	11	1
				2009 Jane Taylor assigned to oversee all RSY activities, Thorpe				_
32	52	4		Miller		Exhibit A (Bowers), p. 1	11	1
				2005 Susan Andrews stated Justin Hubbard complained she was				
				performing surveys too carefully and slowly and moved her to the				
48	52	. 4	1	portal monitor		Exhibit C (Andrews) pp	11	1
				Jane Taylor in charge of RSY pads late 2010 or early 2011. After that frequency of failing the Portal Monitor screening increased				
56	52	4		dramatically.		Exhibit C (Andrews) p. :	1 11	1
	-			soil surveys for gamma too fast at RSY-2, RSY-3, and RSY-4				_
69	52	4		hundreds of times		Exhibit D (Jackson), p. 5	5 11	1
33	60	4		Trucks failing portal monitor 2010 - 2011		Exhibit A (Bowers), pp.	11	1
				April 2009, Adam Berry discovered Dennis McWade allowed truck				
36	60	4		to exit the base even though the Portal Monitor had alarmed.  McWade told staff to stop surveying the truck.		Exhibit A (Bowers), pp.	11	1
30	00	4		Early spring of 2006 Thousand plus cubic yards of soil still remain		Exhibit A (bowers), pp.	. 11	1
				in piles that had been improperly cleared by the conveyor belt				
				system. Smith assigned to help scan the soil that remained. They				
				scanned soil 2-3 ft thickness so sensor ineffective for rad contam				
		_		below 6 inches deep. Then the soil that cleared this screening set		- 1 11 11 - 12 - 11 1		
47	60	4		off portal monitor		Exhibit B (Smith) p. 14	11	1
				2005 Susan Andrews stated Justin Hubbard complained she was				
49	60	4	1	failing too many trucks going through the portal monitor		Exhibit C (Andrews) p. 3	11	1
				Prior to Sept 2011 every failed soil load was required to be sent		, , , , ,		
50	60	4		back to the RSY pads to be reworked.		Exhibit C (Andrews) p. 3	11	1
				9/2011 Tetra Tech changed the Portal Monitor sensitivity from 3				
				sigma plus mean background to 8 sigma plus mean background.				
59	60	4		The claim was that was to address aluminum trucks with naturally occurring radiation. But most trucks were steel, not aluminum.		Exhibit C (Andrews) p. :	1 11	1
41				Dates - RCA's not controlled - specific dates and location	Building 217 no	t Exhibit A (Bower), pp. 3		1
				Smith said mid-2008 began false soil sampling, incomplete	8	,,, рр		
				building surveys, falsification of chain-of-custody forms. Prior to				
				2008 NEW was holder of NRC rad license. Tetra tech became the				
	_			NRC license holder about that time that improper rad practices			•	
43	70	4		After contract changes nere frequent discrepances, going from	and as a result 1	I Exhibit B (Smith) p. 2	11	1
				After contract changes nore frequent discrepences, going from one incident per 6 weeks to every 2 weeks to more than once a				
29	99	4	1	week.		Exhibit A (Bowers), p. 7	7 11	1
_3						(/ <sub>1</sub> ) Pr		

Information Citation Source Public Tracki ng numb Type of Type Highli Statist Fraud of info ghts icians Summary Details Citation Source 2017-7 2014 Tetra Tech Anomalous Inv 11 12 Scans were supposed to be used to pick soil sample locations with highest scan values, but in late 2008 began sampling 5-10 ft away where scans showed low levels. But these sometimes were still less likely to be above release criteria and would still need to be further found using K-40 comparisons Main text p. 11-12, Exhi 11 1 11 1 1 remediated. 1 Scans were supposed to be used to pick soil sample locations with highest scan values, but in late 2008 began sampling 5-10 ft away where scans showed low levels. But these sometimes were still less likely to be above release criteria and would still need to be further found using K-11 remediated. 40 comparisons Main text p. 11-12, Exhi 11 1 Took false samples from far away: 1) sewer trench in front of 500 series bldgs, 2) former theatre building, 3) near Bldg 521 under 12 1 Matched faked s Main text, pp. 12-13 11 1 Beginning in 2010 while working near Bldg 707 and later 500 series buildings, took false samples from far away: 1) First sewer trench in front of 500 series bldgs, 2) former theatre building, 3) 12 near Bldg 521 under two palm trees Matched faked s Main text, pp. 12-13 11 1 Starting mid-2008 false soil sampling. Smith said trench confirmation soil substitution happened "pretty much every day" over at least the last 1.5 yrs he worked there. Total 800-1,000 false samples [he left 9/2012]. "After the Bldg 351A and Parcel A cover ups, fraudulent sampling became a regular occurrence for me and the teams. . . . In this early period of 2009-2010, when post-remediation sampling was to be done, more and more Mr. Rolfe told me and the other HPs to cheat and take false soil samples." 3 10 Main text p. 13, Exhibit 1 11 1 Samples switched at Bldg 517, Bldg 707 Triangle Area in Parcel E, Former 500 series Bldgs in Parcel D, North Pier, Shacks 79 and 80, Parcel C 2 1 11 Main text, p. 14 11 1 Fraudulent practices escalated after contract changed from time-5 Main Text, p. 14 12 and-materials to firm fixed-price 11 1 Fraudulent trench soil confirmation sampling was associated with Anthony Smith, Steve Rolfe, Tina Rolfe, Rick Zahensky, Justin 12 3 Hubbard, 6 Main text, pp. 13-14 11 1 Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample (some of the highest radioactive readings ever seen on the site) and chain of custody record and marked location clean. Replaced with new samples from areas in the crawl space known to be 21 1 Bldg previously t Main text,pp. 15-16, Ex Bldg 351A disappeared sample Anthony Smith, Josh Hooper, Bill Dougherty, Dennis McWade, Chuck Taylor, Steve Rolfe, Daryl 21 3 DeLong, Brian Henderson Main text,pp. 15-16, Ex 11 1 Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample 9 21 2 Main text,pp. 15-16 11 1 21 Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample Main text,pp. 15-16 11 1 2009 Fisher Ave & Spear 2-3 pCi/g Cs-137 6 inches deep Smith was told to get rid of sample and never filled out chain-of-custody 10 22 1 form Main text, pp. 16-17 11 1 July or August 2009 Fisher Ave & Spear 2-3 pCi/g Cs-137 6 inches deep Smith was told to get rid of sample and chain of custody 22 Main text, pp. 16-17 10 11 1 Location Fisher & Spear Ave. behind wall uphill 6 inches deep Main text, pp. 16-17 11 22 11 1 Disappearing sample Fischer & Spear Ave. Anthony Smith, Jeff 12 22 Rolfe, Ray Roberson, Carey Bell Main text, pp. 16-17 3 11 1 2009 fencing found to be contaminated but staff told to hide Main text, p.17-19 23 result and delete data in "Access" computer system 13 1 11 1 Radioactive fencing Susan Andrews, Dennis McWade, Phil Poole, Bob Evans, Charles Taylor, Rhonda Richardson, 23 14 3 Main text, p.17-19 11 1 summer 2010 - early 2011 Class 2 and Class 3 scans in buildings and smears "just set your meter down on the ground and let it count. " "On numerous occasions occasions my crew and I were instructed by Steve Rolfe to 'just get numbers,' which we would do by simply holding the 2360 dedector in the same spot, or setting it down in one spot for up to 30 minutes while the 15 30 1 readings were recorded." Main text p. 19-20, Exhi 11 summer 2010 - early 2011 Fraudulent building scans for nearly all buildings in Hunters Point. Specifically Building, 707, buildings and building footprints throughout the 500 series and buildings 351, 351A, 411,401,414,406, 144,146,130, 103, 113, 521, 103, 114, 145, 2 1 130, 439, 366, 813, and possibly building 203 Main text p. 19-20, Exh 16 30 11 1 Building Scans Anthony Smith, Steve Rolfe, Jeff Rolfe, Rick Zahensky, Bill Dougherty, Justin Hubbard, Tina Robertson 17 30 3 Main text p. 19-20, , Exl 11 1 When downloading data from Ludlum 2350, Tetra Tech staff changed numbers. Also for Ludlum 2360 (alpha and beta). Zahensky took a computer home to change scan results overnight. 18 40 1 Results were delivered a day late. Main text pp. 21-22 11 1

				2010 saw Tina Rolfe on the computer manually changing data			
45	40	4		uploaded from previous building scans  2010 saw Tina Rolfe on the computer manually changing data	Exhibit B (Smith) p. 12	11	1
46	30	1	1	uploaded from previous building scans	Exhibit B (Smith) p. 12	11	1
				Data tampering Tina Rolfe, Ray Roberson, Joe Cunningham, Justin Hubbard, Rick Zahensky, Steve Rolfe, Bert Bowers, Neil Berrett,			
19	40	3	1	Phil Smith	Main text pp. 21-22	11	1
				Early to July 2006 Conveyor belt scanning excavated fill ran too fast and silenced sensor alarms so would not have caught			
20	51	1	1	contamination in tens of thousands of CY soil	Main text pp. 23-25	11	1
21	51	2	1	Conveyor belt too fast for Parcel E IR-02 and PCB removal area	Main text pp. 23-25	11	1
22	<b>5</b> 4	2		Conveyor Belt Bert Bowers, Ulrika Messer, Neil Hart, Joe Levell,	Main tout up 22.25	4.4	4
22	51	3		Mike Wilson, Gary Wilson, Jane Taylor	Main text pp. 23-25	11	1
22	F2	4	4	Orders were given to take samples "from anywhere" instead of	Main tout v. 20	4.4	4
23	52	1	1	from the proper Radiation Screening Yard (RSY) samples Unqualified workers who did not understand health risks of	Main text p. 28	11	1
24	53	1	1	exposures could have been exposed, swung detectors too high and too fast	Main tout nn 27 20 ans	11	1
24	55	1	1	Radiation Screening Yards Jane Taylor, Arthur Jahr, Samantha	Main text pp. 27-28 and	11	1
25	52	3		Taylor, Kari Guidry, Thorpe Miller, Bryan White Parcel UC-3 Work Area #16, units 190 and 197 had 1,023 CY soil	Main text, pp. 26-28, Ex	11	1
				removed. 10 CY of soil were remediated as containing radioactive			
26	52	2		and chemical contamination.  RSY samples collected in locations that intentionally avoided the	Main text, p. 29, and Ex	11	1
				high radioactivity locations and were allowed to be reused as			
27	52	1	1	backfill.	Main text, p. 29	11	1
				2011 trucks with soil from RSY pads frequently failing portal			
20	60	1	1	monitor screening. In September, 2011, the sensitivity was	All 27 trucklands Main tout on 20 21 Fy	11	1
28	60	1	1	reduced by 2/3 and discontinued hand-scanning.  After contract changes nore frequent discrepences, going from	All 37 truckloads Main text, pp. 29-31, Ex	11	1
20	99	4	1	one incident per 6 weeks to every 2 weeks to more than once a week.	Exhibit A (Bowers), p. 7	11	1
29	99	4	1	Conveyor belt Bill van Vo, Jack Schelebo, Emitt Brown, Dan	Exhibit A (Bowers), p. 7	11	1
30	51	3		Spicuzza	Exhibit A (Bowers), p. 1	11	1
				July 2006 discovery of false conveyor belt scanning. August 2006 Neil Hart oversaw response to disclosure. Gary Wilson disciplined			
31	51	4		Aug 2006.	Exhibit A (Bowers), pp.	11	1
32	52	4		2009 Jane Taylor assigned to oversee all RSY activities, Thorpe Miller	Exhibit A (Bowers), p. 1	11	1
33	60	4		Trucks failing portal monitor 2010 - 2011	Exhibit A (Bowers), pp.	11	1
				Less expensive for Tetra Tech to have the soil falsely cleared for			
				use as backfill than to have the soil repeatedly subjected to remediation of rad contam and time and cost of separating non			
34	60	1	1	emplacted soil from what needed to be shipped to LLRW landfills.	Exhibit A (Bowers), p. 2	11	1
				Backfill material had been cleared by Jane Taylor and Thorpe			
				Miller, but a Shaw contractor discovered a radiological object			
35	52	1	1	(button) in it with millirem/hour levels so high they were inappropriate for the Ludlum detector used	Exhibit A (Bowers), p. 2	11	1
33	32	_	-		Extract ( (56 vers)), pr 2		-
				April 2009, Adam Berry discovered Dennis McWade allowed truck to exit the base even though the Portal Monitor had alarmed.			
36	60	1	1	McWade told staff to stop surveying the truck.	Exhibit A (Bowers), pp.	11	1
				April 2009, Adam Berry discovered Dennis McWade allowed truck			
2.5	60			to exit the base even though the Portal Monitor had alarmed.	5 1 1 1 2 4 (5 )	4.4	
36	60	4		McWade told staff to stop surveying the truck.	Exhibit A (Bowers), pp.	11	1
37	60	3		Portal Monitor failing - Adam Berry, Dennis McWade, Bert Bowers	Exhibit A (Bowers), pp.	11	1
				Neil Berrett and Phil Smith (lab) told Bert Bowers that project upper management had asked them to "write away" laboratory			
38	40	1	1	analysis by changing the results.	Exhibit A (Bower), pp. 2	11	1
				Radiological Control Areas (RCA's) not controlled per requirements - patterns & practices employees doing work in			
				areas w/rad contamination without notifying Rad Safety Officer, locks not secured, boundaries repositioned, drinking fountains			
39	70	1		inside RCAs		11	1
40	70	2	1	Locations - RCA's not controlled - specific dates and location	Building 217 not Exhibit A (Bower), pp. 3	11	1
41	70	4	1	Dates - RCA's not controlled - specific dates and location	Building 217 not Exhibit A (Bower), pp. 3	11	1 1
42	40	1		Chain of custody forms claimed soil samples were taken every 5 minutes, even though that is impossible.	Exhibit A (Bowers) pp. 3	11	1
72	40	-		Tina Rolfe cycled through names, e.g. Rick Zahensky, Jeff Rolfe,	Exhibit A (bowers) pp. c	11	_
42	40	3		Anthony Smith, Justin Hubbard	Exhibit B (Smith) p. 10-1	11	1
				Smith stated he was working in the Bldg 500 series, but the faked			
45	40	2		Chain-of-custody form showed he took samples near Bldg 707. Smith said mid-2008 began false soil sampling, incomplete	Exhibit B (Smith) p. 11	11	1
				building surveys, falsification of chain-of-custody forms. Prior to			
				2008 NEW was holder of NRC rad license. Tetra tech became the NRC license holder about that time that improper rad practices			
43	70	4		became a regular event	and as a result T Exhibit B (Smith) p. 2	11	1

44	30	1	1	"Due to the amount of time required to perform a proper building survey, the practice at Hunters Point was to scan the high probability areas and fake the rest. Although we mosstly performed Class 1 surveys the Class 2 and 3 surveys were falsified Early spring of 2006 Thousand plus cubic yards of soil still remain in piles that had been improperly cleared by the conveyor belt system. Smith assigned to help scan the soil that remained. They		11	1
47	60	1	1	scanned soil 2-3 ft thickness so sensor ineffective for rad contam below 6 inches deep. Then the soil that cleared this screening set off portal monitor  Early spring of 2006 Thousand plus cubic yards of soil still remain in piles that had been improperly cleared by the conveyor belt system. Smith assigned to help scan the soil that remained. They	Exhibit B (Smith) p. 14 a	11	1
47	60	4		scanned soil 2-3 ft thickness so sensor ineffective for rad contam below 6 inches deep. Then the soil that cleared this screening set off portal monitor  2005 Susan Andrews stated Justin Hubbard complained she was	Exhibit B (Smith) p. 14 a	11	1
48	52	4	1	performing surveys too carefully and slowly and moved her to the portal monitor	Exhibit C (Andrews) pp.	11	1
49	60	4	1	2005 Susan Andrews stated Justin Hubbard complained she was failing too many trucks going through the portal monitor  Prior to Sept 2011 every failed soil load was required to be sent	Exhibit C (Andrews) p. 3	11	1
50	60	4		back to the RSY pads to be reworked.	Exhibit C (Andrews) p. 3	11	1
Г1	<b>F</b> 2	1	1	Jane Taylor misdirected laborers as to the correct location from which to collect soil samples. Entire crew tasks were not being coordinated properly. Samples were taken from an incorrect grid and were recorded and labeled erroceusly.	Evhibit C (Androve) n =	11	1
51	52	1	1	and were recorded and labeled errneously.  Jane Taylor scanned the soil on the RSY pad at a much faster	Exhibit C (Andrews) p. 7	11	1
52	52	1	1	speed than is required to get proper results.	Exhibit C (Andrews) p. 7	11	1
53	30	1		Tina Robertson was unqualified and got agitated about the "hot" readings because she was interpreting the readings incorrectly. 2010 -2011 People left RCA without being frisked 10 times. In 10/2011, Luis and Alfredo (last names unknown) were pounding	Exhibit C (Andrews) p. 8	11	1
54	70	1		dirt for radioactive sample testing using a mortar and pestle with bare hands and not wearing face masks	Exhibit C (Andrews) p. 1	11	1
				Maybe Bldg 271 area next to elevator shaft was separated into 2 sections. One was fenced off. Jars of every sample that had been tested by the lab since the beginning of work at HPNS were stacked. Jars in the lower stacks had gotten crushed by jars on the higher stacks and were leaking potentially radioactive dirt onto the floor of the area. Laborers were stepping into the			
55	70	2	1	radioactive dirt, which could spread into clean areas.  Jane Taylor in charge of RSY pads late 2010 or early 2011. After that frequency of failing the Portal Monitor screening increased	Exhibit C (Andrews) p. 1	11	1
56	52	4		dramatically.  Andrews suspected the soil used as backfill was done more poorly than the soil going offsite since there was no check to be sure it	Exhibit C (Andrews) p. 1	11	1
57	52	1	1	was being done right	Exhibit C (Andrews) p. 1	11	1
58	52	1	1	Andrews stated that after switching to fixed price contracts, Tetra Tech made more money the less they had to do with the soi. It also made the Navy happy that the process was moving along.	Exhibit C (Andrews) p. 1	11	1
F0	60	1	1	9/2011 Tetra Tech changed the Portal Monitor sensitivity from 3 sigma plus mean background to 8 sigma plus mean background.  The claim was that was to address aluminum trucks with naturally accurring radiation. But most trucks were steel not aluminum.	Fuhihit C (Andrews) n. 4	11	4
59	60	1	1	occurring radiation. But most trucks were steel, not aluminum.  9/2011 Tetra Tech changed the Portal Monitor sensitivity from 3 sigma plus mean background to 8 sigma plus mean background.	Exhibit C (Andrews) p. 1	11	1
59	60	4		The claim was that was to address aluminum trucks with naturally occurring radiation. But most trucks were steel, not aluminum.  Before 9/2011, when portal monitor failed, scanning sides of the truck seldom showed hits, only found hits by standing on	Exhibit C (Andrews) p. 1	11	1
60	60	1	1	scaffolding and scanning by hand over the top, After 9/2011, Tetra Tech discontinued scanning by hand. Tetra Tech hosed down trucks before they entered portal	Exhibit C (Andrews) p. 1	11	1
61	60	1	1	monitor. Water could shield radiation July 2011 Jane Taylor instructed Curtis (driver of EM truck) to remove ropes demarcating an RCA-RMA and ignore requirement	Exhibit C (Andrews) p. 1	11	1
62	70	2		for frisking in an area where radioactive containers were stored above ground in an RCA-RMA August 2011 covering Work Area 33. Hank construction worker removed rad posting from RCA in areas known to have high levels	Exhibit C (Andrews) p. 1	11	1
63	70	2		of radioactive contamination.	Exhibit C (Andrews) p. 1	11	1
64	40	4		Andrews said Tina Robertson said 7/22/2011 Chain of custody forms were being forged	Exhibit C (Andrews) p. 1	11	1
65	70	1		A radioactive source was captured at RSY 4. 2 Untrained field workers delivered it to a secure lockup area. Taylor tried to handle this in an unsafe manner contrary to official procedures	Exhibit C (Andrews) p. 1	11	1

				RSY number 2 Jane Taylor and the laborers she trained couldn't				
66	52	2	1	use radiation detection scanners properly	Exhibit D (Jackson), p. 3	11	1	
				RSY-2 laborers missing the required number of samples. Taylor				
				told them to go get a sample "from anywhere." They went behind				
				the Conex to another pad and got an unrelated "false" sample.				
67	52	2	1	Allen and Reggie	Exhibit D (Jackson), p. 4	11	1	
				RSY-2 laborers missing the required number of samples. Taylor				
				told them to go get a sample "from anywhere." They went behind				
				the Conex to another pad and got an unrelated "false" sample.				
67	52	3		Allen and Reggie	Exhibit D (Jackson), p. 4	11	1	
				Keith Tisdale, laborer said Jane Taylore commonly put dirty soil on				
68	99	1	1	the clean pad or the other way around next RSY-2	Exhibit D (Jackson), p. 4	11	1	
		_		Keith Tisdale, laborer said Jane Taylore commonly put dirty soil on				
68	99	2		the clean pad or the other way around next RSY-2	Exhibit D (Jackson), p. 4	11	1	
60		•		soil surveys for gamma too fast at RSY-2, RSY-3, and RSY-4	5132571	4.4		
69	52	2	1	hundreds of times	Exhibit D (Jackson), p. 5	11	1	
60	F.2			soil surveys for gamma too fast at RSY-2, RSY-3, and RSY-4	5 1:1:1 B (1:11:1:1) - 5	4.4	4	
69	52	4		hundreds of times	Exhibit D (Jackson), p. 5	11	1	
70	10	4		Jahr saw laborers slinging soil around during sampling that		4.4	4	
70	10	1		created an airborne hazard.	Exhibit E (Jahr) p. 3	11	1	
				workers ate and drank fluids within RCA's. Near an intermodal				
				container around RSY2, it was a windy day yet all the laborers				
74	70	4		were working downwind of the container, potentially exposing	E 1:1:1:E (1.1.)	4.4	4	
71	70	1		workers	Exhibit E (Jahr) p. 3	11	1	
				In 2006, when soil samples did not have the required 300 mL				
				volume, Justin Hubbard asked Jahr to "just go get some dirt" from anywhere nearby. Jahr refused to do that. This behavior was				
72	10	4	1	consistent with his approach as a supervisor	Evhibit E (labr) p. 4	11	1	
12	10	4	1	In 2010, in RSY-2 Barrels containing rad contamination were	Exhibit E (Jahr) p. 4	11	1	
				opened in a way that could have spread contents into non-rad				
				impacted areas. They later were removed, and Jahr suspected by				
73	70	2	1		Exhibit E (Jahr) p. 5	11	1	
73	70	2	1	improper means.  Fencing surrounding an RCA was removed to allow construction	Exhibit E (Jahli) p. 3	11	1	
74	70	1		crew access while avoiding the control point	Exhibit E (Jahr) p. 5	11	1	
74	70	1		8/2010, Jane Taylor and her laborers were swinging the Ludlum	Exhibit E (Jani) p. 3	11	1	
				sensors at a heigh and speed that were both far excessive so the				
75	52	1	1	sensors were largely ineffective	Exhibit E (Jahr) p. 5	11	1	
75	32	_	-	Conveyor belt Gary Wilson, Jane Taylor, Robert McClean, Madena	Exmort E (sum) p. 3		-	
				McClean, Demarius Bradley, Curtis Hales, and Damian (unknown				
76	51	3		last name)	Exhibit N (McClean) p.2	11	1	
. •	<u> </u>			······································			_	
				2005, from Parcel E PCB Hot spots - After lunches and breaks, belt				
				speed running at excessive speed, reducing the frequency of				
				alarms greatly (vs. hourly before at the proper speed). After some				
				weeks, the speed became locked at a speed well above standards.				
				McClean was laid off late 2005. In early 2006, he returned and				
				discovered the Navy had discovered the excessive speed. The				
77	51	1		conveyor belt system was shut down.	Exhibit N (McClean) p. 3	11	1	
				Sometimes they may not have rinsed off equipment all of the way	, , , , ,			
78	10	1		in between sample collection	Attachment 9, Interviev	12		1
				·	,			
				RCTs appear to have general knowledge that green serpentinite				
				usually provides "low" gamma spec resultts, and "brownish dirt"				
79	10	1		provides elevated gamma spectroscopy readings.	Attachment 9, Interviev	12		1
				Original potentially "hot" samples would be dumped into open				
80	10	1		trenches that had been dug for sewer removal	Main text, p. 14	11	1	